

Werk

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from the Stokes formula for τ . From this and (1.4) or (1.7) resp., we obtain

$$(2.22) \quad f_{11} = -f, f_{22} = -f, f_{12} = 0 \quad \text{in } D.$$

Now, consider the vector field

$$(2.23) \quad a = -f_1 v_1 - f_2 v_2 + f v_3.$$

Then $da = 0$, i.e., $a = \text{const.}$, and $f = \langle v_3, a \rangle$. QED.

Bibliography

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Author's address: 771 46 Olomouc, Leninova 26 (Přírodovědecká fakulta UP).